14. (Currently Amended) An electromagnetic radiation detection method, comprising:

irradiating a body of SiC having a thickness of at least about 400 micrometers with electromagnetic radiation having a wavelength less than about 10 micrometers, said SiC body having a single crystal structure, and

detecting a response of said SiC body to said radiation.

15. (Original) The method of claim 14, wherein said SiC body is irradiated with infrared (IR) radiation.

16. (Original) The method of claim 14, wherein the thickness of said SiC body is in the approximate range of 400-2,000 micrometers.

17. (Original) The method of claim 14, wherein said response is detected by detecting increases in the resistance of said SiC body in response to said radiation.

18. (Previously Presented) The method of claim 14, wherein said SiC body has uniform thickness.

19. (Currently Amended) An electromagnetic radiation detection method, comprising:

irradiating a uniform thickness body of SiC with radiation having a wavelength less than about 10 micrometers, said SiC body having a single crystal structure, and

detecting acoustic absorption of said radiation by said body.